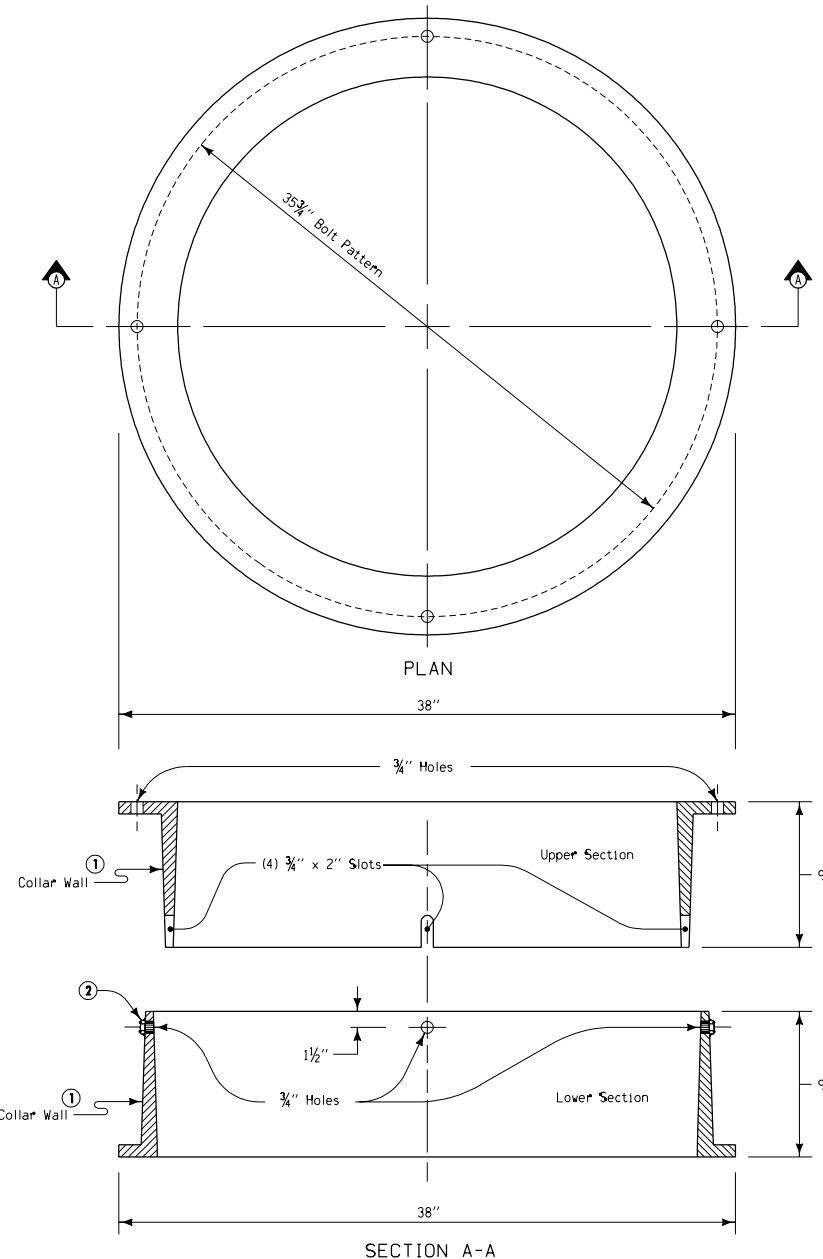


COLLAR DETAILS



General Notes:

All castings shall be Class 30 or better gray iron castings complying with the Standard and Supplemental Specifications and shall be essentially as detailed hereon. The castings illustrated hereon are only typical. Alternate designs for similar situations may be submitted to the Engineer for approval. Minimum weight requirements will be met unless authorization is received for any such deviation. All castings subject to roadway traffic shall have machine ground bearing surface to prevent rattling, and match-marked before delivery. The use of grinding pads is allowed as long as all dimensional requirements are met.

Finish of castings shall be smooth and free of defects as per Standard and Supplemental Specifications. Painting of casting is not required; however, if used, paint shall be evenly applied and neither sticky nor brittle when dry.

All component parts of casting shall fit smoothly together without forcing and finished product shall have a completely satisfactory appearance.

An identifiable trade name or mark may be imprinted on castings by the casting foundry.

Unless specified otherwise as a part of detail plans, the cast iron settlement collar described hereon shall not be paid for separately, but shall be included with and considered incidental to the bridge end drain, intake, or utility access.

- ① Wall thickness may vary uniformly from base to the top or bottom of the casting.
- ② Tack weld (4) 1/2" nuts to outside of bottom settlement collar or drill and tap (4) holes for 1/2" Cap Screws in bottom settlement collar.
- ③ Remove the (4) 1/2" Cap Screws after surrounding concrete has set.

Minimum Weights	
Upper Section	210 lbs.
Lower Section	210 lbs.

See Standard Road Plans RA-67A and RA-67B for details of Grate and Frame.

 **Iowa Department of Transportation**
Project Development Division

STANDARD ROAD PLAN RA-67C

REVISIONS: Changed general notes to refer to correct standard plans.	REVISION NO. 1
APPROVED BY: <i>John C. Chapp</i> DESIGN METHODS ENGINEER	REVISION DATE 04-25-00

SETTLEMENT COLLAR
CASTINGS